

LISTING OF THE CLAIMS

1. (previously presented) An osteosynthetic device comprising an intramedullary nail having a longitudinal shape with a central axis, a first end, and a second end, wherein the shape of the device is helical.
2. (original) The osteosynthetic device of claim 1, wherein the envelope of the helix is a cylinder having the same central axis as the helix.
3. (previously presented) The osteosynthetic device of claim 1, wherein the helix has a rotation of less than 540°.
4. (previously presented) The osteosynthetic device of claim 1, wherein the radius of the cylinder is in the range of 10 to 50 mm.
5. (previously presented) The osteosynthetic device of claim 1, wherein the pitch of the helix is in the range of 100 to 1500 mm.
6. (previously presented) The osteosynthetic device of claim 1, wherein the pitch of the helix is greater than 400 mm.
7. (original) The osteosynthetic device of claim 1, wherein the cross-section orthogonal to the central axis of the helix is a circle.
8. (original) The osteosynthetic device of claim 1, wherein the cross-section orthogonal to the central axis of the helix is a square or a star.
9. (original) The osteosynthetic device of claim 1, wherein the second end is pointed.
10. (original) The osteosynthetic device of claim 1, wherein the cross-section orthogonal to the central axis of the helix is essentially a rectangle with the sides a and b, the larger side b being oriented to the outer and inner sides of the helix.

11. (previously presented) The osteosynthetic device of claim 10, wherein the ratio of a:b is smaller than 0.5.
12. (original) The osteosynthetic device of claim 10, wherein the essentially rectangular cross-section is rounded at its smaller sides a.
13. (original) The osteosynthetic device of claim 1, wherein the portion of the helix near the first end is thicker than the portion of the helix near the second end.
14. (original) The osteosynthetic device of claim 1, wherein the central axis of the helix is a straight line.
15. (previously presented) The osteosynthetic device of claim 1, wherein the cross-section orthogonal to the central axis has a maximum dimension in the range of 5 to 14 mm.
16. (previously presented) The osteosynthetic device of claim 1, wherein the length of the cylinder or of the helix is in the range of 200 to 500 mm.
17. (original) The osteosynthetic device of claim 1, wherein the device is provided with through holes for locking screws, preferably near the second end.
18. (previously presented) The osteosynthetic device of claim 1, wherein the device is provided with at least two through holes for locking screws.